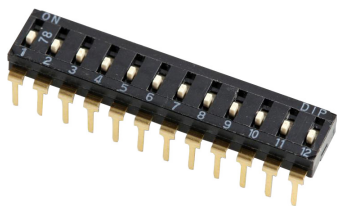


Dual In Line Switches

End Stackable



Specifications

Mechanical:

Mechanical Life : 2,000 operations.
 Max. Operating Force : 1,000gf.
 Stroke : 1mm
 Operating Temperature Range : -20°C to +85°C.
 Storage Temperature Range : -40°C to +85°C.

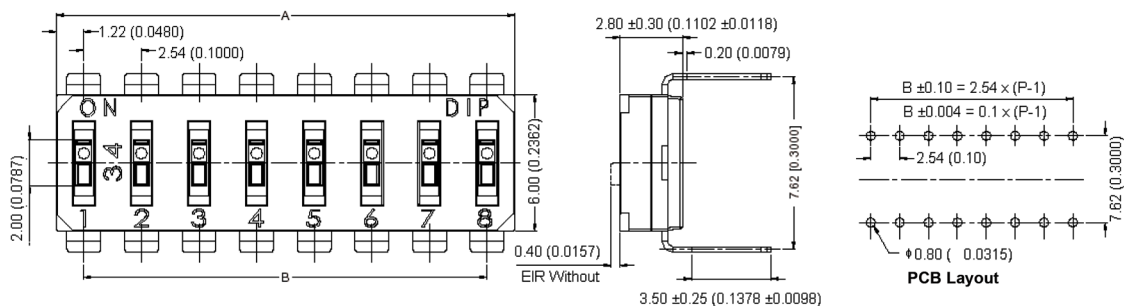
Electrical:

Electrical Life : 2,000 cycles.
 Rating : 25mA, 24V DC
 Min. Contact resistance : 100mΩ at 500V DC
 Max. Insulation Resistance : 100MΩ at 500V DC
 Dielectric Strength : 500V AC/1 minute.
 Contact Arrangement : 1 pole throw.

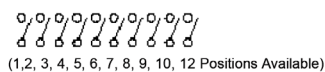
Materials:

Base and Cover : UL 94V-0 Nylon high temperature thermoplastic.
 Colour : Black.
 Actuator : UL 94V-0 LCP high temperature thermoplastic.
 Colour : White.
 Contact : Alloy copper with gold plated.
 Terminal : Brass with gold plated.
 Tape : Kapton.

Diagram



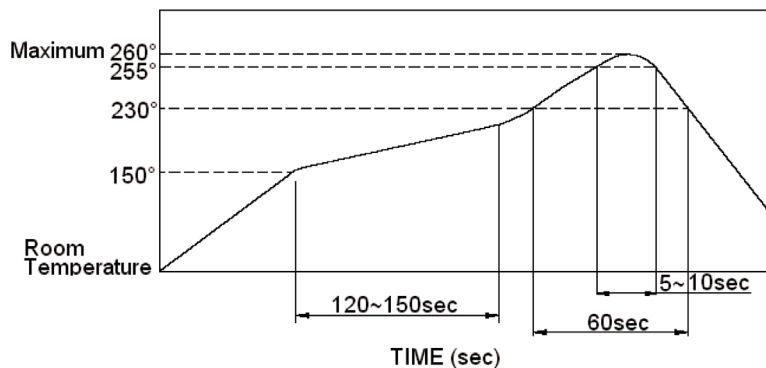
Schematic (Typical)



Dual In Line Switches

End Stackable

Reflow Temperature Profile



Soldering Process

Wave soldering: Recommended solder temperature at 500°F (260°C) Max. of 5 seconds for through hole type.
 Hand soldering: Use a soldering iron of 30 watts, controlled at 350°C approximately maximum 5 seconds while applying.
 Reflow soldering: When applying reflow soldering, the peak temperature or the reflow Oven should be set at 260°C Max.
 Do not wash the switch except top tape sealed type, which suitable for spray cleaning method from top of the s/w.

Specification Table

Number of Positions	Dimensions (A)	Dimensions (B)	Part Number
2	4.98 (0.196)	2.54 (0.1)	MCEI-02
3	7.52 (0.296)	5.08 (0.2)	MCEI-03
4	10.06 (0.396)	7.62 (0.3)	MCEI-04
5	12.60 (0.496)	10.16 (0.4)	MCEI-05
6	15.14 (0.596)	12.70 (0.5)	MCEI-06
7	17.68 (0.696)	15.24 (0.6)	MCEI-07
8	20.22 (0.796)	17.78 (0.7)	MCEI-08
9	22.76 (0.896)	20.32 (0.8)	MCEI-09
10	25.3 (0.996)	22.86 (0.9)	MCEI-10
12	30.38 (1.196)	27.94 (1.19)	MCEI-12
2	4.98 (0.196)	2.54 (0.1)	MCEIR-02
3	7.52 (0.296)	5.08 (0.1)	MCEIR-03
4	10.06 (0.396)	7.62 (0.3)	MCEIR-04
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10	25.3 (0.996)	22.86 (0.9)	MCEIR-10
12	30.38 (1.196)	27.94 (1.19)	MCEIR-12

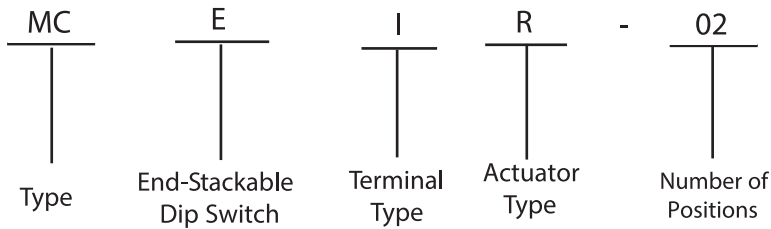
Dimensions : Millimetres (Inches)

Dual In Line Switches

End Stackable

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Part Number Explanation



- Terminal Type : I = Through Hole Type.
- Actuator Type : R = Recessed Actuator.
 □ = Raised Actuator.
- Number of Positions : 02, 03, 04, 05, 06, 07, 08, 09, 10, 12 Positions.

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